

BULAVINTSEVA, A.I., kand. med. nauk; KAZANSKAYA, N.I., kand.med. nauk;
 KASHINSKIY, A.V., kand. med. nauk; LIPMANOVICH, S.G., kand.
 med. nauk; NARBUT, Ye.I., kand. med. nauk; POKROVSKIY, V.A.,
 zssluzhenyy deyatel' nauki RSFSR, prof.; ROMANOVSKIY, R.M.,
 kand. med. nauk; TUMANOVA, Ye.S., prof.; YAKOVLEV, I.I.,
 zasluzhenyy deyatel' nauki RSFSR, prof.; LANKOVITS, A.V., prof.,
 nauchnyy red.; PERSIANINOV, L.S., prof., otv. red.; BEKKER, S.M.,
 prof., red.; BELOSHAPKO, P.A., prof., red. [deceased]; ZHUKOV,
 K.N., prof., red.; ZHORDANIA, I.F., prof., red.; LEBEDEV, A.A.,
 prof., red.; MANENKOV, P.V., prof., red.; STEPANOV, L.G., kand.
 med. nauk, red.; SYROVATKO, F.A., prof., red.; FIGURNOV, K.M.,
 prof., red.; PORAY-KOSHITS, K.V., red.; LANKOVITS, A.V., red.;
 SENCHILO, K.K., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe
 rukovodstvo po akusherstvu i ginekologii. Moskva, Gos.izd-vo
 med. lit-ry. Vol.6. 1961. 679 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
 Persianinov, Beloshapko, Figurnov).
 (OBSTETRICS—SURGERY) (GYNECOLOGY, OPERATIVE)

BECKER, S.M., prof.

Fetus in latent infection of pregnancy. Akush.i gin. no.4:26-
28 '61. (MIRA 15:5)

1. Iz instituta akusherstva i ginekologii (dir. - prof. M.A.
Petrov-Maslov) AMN SSSR
(PREGNANCY, COMPLICATIONS OF) (FETUS--DISEASES)

BEKKER, S.M., prof.

Causes and prevention of stillbirth from the current point of view.
Vop. okh. mat. i det. 6 no.8:56-62 Ag '61. (MIRA 15:1)

1. Iz instituta akusherstva i ginekologii AMN SSSR (dir. - chlen-
korrespondent AMN SSSR prof. M.A.Petrov-Maslakov).
(STILLBIRTH)

BEKKER, S.M., prof.

Cesarean section. Zdorov'e 8 no.9:14-15 S '62.
(CESAREAN SECTION)

(MIRA 15:9)

PETROV-MASLAKOV, M.A.; BEKKER, S.M.

Principles and ways for the further development of antenatal prophylaxis of fetal diseases and perinatal mortality. Vest. AMN SSSR 17 no.11:3-13 '62. (MIRA 16:1)

1. Institut akusherstva i ginekologii AMN SSSR.
(FETUS—DISEASES) (INFANTS (NEWBORN)—MORTALITY)

BEKKER, Semen Mikhaylovich, prof.; ALIPOV, V.I., red.; BUGROVA,
T.I., tekhn. red.

[Intrauterine infection] Vnutriutrobnaia infektsiia. Pod
red. S.M.Bekkera. Leningrad, Medgiz, 1963. 247 p.
(MIRA 16:11)

(UTERUS--DISEASES)
(PREGNANCY, COMPLICATIONS OF)

BEKKER, S.M., prof.

Collagen disease in pregnancy. Akush. i gin. 38 no.5:45-49 S-O '62.
(MIRA 17:11)

1. Iz otdeleniya fiziologii i patologii beremennosti (zav. - prof.
S.M. Bekker) Instituta akusherstva i ginekologii (dir. - prof. M.A.
Petrav-Maslakov) AMN SSSR.

BKKER, S.M., prof.

Uterine inertia and the intrauterine fetus. Akush. i gin. 40 no.5:
35-38 S-0 '64. (MIRA 18:5)

1. Institut akusherstva i ginekologii (dir. - chlen-korrespondent
AMN SSSR prof. M.A.Petrov-Maslakov) AMN SSSR, Leningrad.

BEKKER, S.M., prof.

Problem of asymmetry in obstetrics. Akush. i gin. no.1;
15-17 '65. (MIRA 18:10)

1. Institut akusherstva i ginekologii (dir.- ohlen-korrespondent
AMN SSSR prof. M.A. Petrov-Maslakov) AMN SSSR, Leningrad.

AUTHOR: Bekker, V. E.

20-117-5-45/54

TITLE: Development of Gonads and Amount of Spawn in Carassius carassius (L.), as Affected by Living Conditions (O vliyanii usloviy sushchestvovaniya na razvitiye gonad i portsiionnost' ikrometaniya u zolotogo karasya (Carassius carassius(L.)))

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 5, pp. 889-891 (USSR)

ABSTRACT: The spawning in portions depends on hydrological conditions, temperature, and other factors of the abiotic milieu. However, the spawning in portions is closely connected with the fertility and thus with the numerical density of the population. Of course it can be assumed that an increase of population which is able to cause a shortage of food will also cause alterations in the course of the yolk formation (vitellogenesis). In order to check this assumption the author has exposed Carassius carassius (L.) in two pools similar to one another. In number 1 200 fishes, in number 2 1500 fishes. Such a great difference in the density of population has caused great differences in the growth of the experimental fishes what regards weight and length (table 1). Already after the second spawning a difference in the development of gonads in the females in the experimental

Card 1/3

Development of Gonads and Amount of Spawn in Carassius
carassius (L.), as Affected by Living Conditions

20-117.5-45/54

pools becomes visible. In the males the development of the gonads was less dependent on the environmental conditions. The young fishes of the second generation were absent in the second pool. On this the assumption is based that the shortage of food inhibited the growing up of further amounts of spawn and eliminated a further spawning of the females. The rightness of this assumption was checked in histological preparations of the ovaries (figure 2). Although after the second spawning the ovaries of the females of both pools did not show any exterior differences in the preparations essential differences were found: all oocytes were small in the case of the females of the second pool, whereas in the case of those of the first pool the oocytes were small as well as great. Furthermore in the case of the females of the second pool a resorption of the most oocytes of the oldest phase (D_6) was observed. From the above facts it can be concluded that a considerable numerical increase of the population and the shortage of food caused by this have effected the stopping of the vitellogenesis and a resorption of the almost ripe oocytes. A consequence of this was the disturbance of the spawning in portions and the numerical

Card 2/3

Development of Gonads and Amount of Spawn in Carassius
carassius (L.), as Affected by Living Conditions

20-117-5-45/54

decline of the progeny. There are 2 figures, 2 tables, and
4 references, all of which are Slavic.

ASSOCIATION: Moscow Technical Institute for Fish Industry and Economy imeni
A. I. Mikoyan (Moskovskiy tekhnicheskii institut
rybnoy promyshlennosti i khozyaystva imeni A. I. Mikoyana).

PRESENTED: August 24, 1957, by Ye. N. Pavlovskiy, Academician.

SUBMITTED: August 3, 1957.

Card 3/3

BEKKER, V.E.

Age groups and growth of white bream in Rybinsk Reservoir. Trudy
Biol. sta. "Borok" no.3:341-348 '58. (MIRA 11:9)
(Rybinsk Reservoir--Carp)

AUTHOR: Bekker, V.E.

SOV/20-121-6-39/45

TITLE: Peculiar Features of the Vitellogenesis in the Females of
Carassius Carassius (L.) Under Conditions of Increased Population
Density (Osobennosti vitellogeneza u samok zolotogo karasya
(Carassius carassius (L.) v usloviyakh povyshennoy plotnosti
naseleniya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 6, pp 1086 - 1089
(USSR)

ABSTRACT: From several papers dealing with natural waters may be seen that
the conditions of life have an influence on the ovogenesis of
fishes (Refs 2,4,6). The density of population is (among other
factors) bound to have an influence on the maturation process of
the sexual products in consequence of the food supply. This pro-
blem is of both theoretical and practical interest. The author
proved (Ref 8) that a considerable increase of the population den-
sity led to a decrease of the quantity (with respect to figures)
of the laid spawn. In this connection it was interesting to in-
vestigate the development of the gonads and the change in the
composition of oocytes during the entire period of vegetation of
the fishes mentioned in the title. From the results the author

Card 1/3

Peculiar Features of the Vitellogenesis in the
Females of *Carassius Carassius* (L.) Under Conditions of
Increased Population Density

SOV/20-121-6-39/45

draws the following conclusions: 1. The fishes in the experimental pool Nr 2 were in consequence of a great increase of population density and a corresponding decrease of food supply in a state in which growing of ovocytes during winter was impossible. The organism of fish is, however, in a position to compensate for such a backwardness in the development of the sexual products within a short period, until the beginning of spawning. 2. An increased population density led in the case of single animals to a divergency in the development of the gonads. The divergency increased with growing density, e.g. with the decrease of the food supply of the fishes. There are 2 figures, 3 tables, and 8 references, which are Soviet.

ASSOCIATION: Moskovskiy tekhnicheskii institut rybnoy promyshlennosti i khozyaystva im. A.I. Mikoyana (Moscow Technical Institute of Fish Industry imeni A.I. Mikoyan)

Card 2/3

Peculiar Features of the Vitellogenesis in the
Females of *Carassius Carassius* (L.) Under Conditions of
Increased Population Density

SOV/20-121-6-39/45

PRESENTED: April 25, 1958, by Ye.N. Pavlovskiy, Member, Academy of Sciences,
USSR

SUBMITTED: April 20, 1958

Card 3/3

BEKKER, V. E., Candidate of Biol Sci (diss) -- "The effect of population density on the process of ovogenesis in the *Carassius carassius*". Moscow, 1959. 19 pp (Kaliningrad Inst of the Fish Industry and Economy), 150 copies (KL, No 20, 1959, 110)

BEKKER, V.E.

New data on the lantern fish genera *Electrona* and *Protomyctophum*
(Pisces, Myctophidae) of the southern hemisphere. Vop. ikht. 3
no. 1:15-28 '63. (MIRA 16:2)

1. Institut okeanologii AN SSSR, Moskva.
(Lantern fishes)

BEKKER, V.E.

Taxonomy and distribution of *Tarletonbeania crenularis* (Myctophidae, Pisces. Trudy Inst. okean. 62:145-163 '63.

North Pacific species of the genus *Protomyctophum* (Myctophidae, Pisces).
Ibid.:164-191 '63. (MIRA 17:2)

BEKKER, V.E.

Slender-tailed lantern fishes (genera Loweina, Tarleton-
beania, Gonichthys and Centrobranchus) of the Pacific and
Indian Oceans. Trudy Inst. okean. 73:11-75 '64.

(MIRA 17:6)

BEKKER, V.E.

Moderate and cold-water complex of myctophids (Myctophidae,
Pisces). Okeanologia 4 no.3:469-476 '64 (MIRA 18:1)

1. Institut okeanologii AN SSSR.

BEKKER, V.E.

Lantern fishes of the genus *Hygophum* (Myctophidae, Pisces);
systematics and distribution. Trudy Inst. okean. 80:62-103 '65.
(MIRA 18:10)

RASS, Teodor Saulovich; BEKKER, V.E., red.

[Fish resources of the European seas of the U.S.S.R and
possibilities for their replenishment by acclimatization]
Rybnye resursy evropeiskikh morei SSSR i vozmozhnosti ikh
popolneniia akklimatizatsiei. Moskva, Nauka, 1965. 105 p.
(MIRA 18:10)

SVECHNIKOVA, N.V. [Sviechnikova, N.V.], kand.med.nauk; BEKKER, V.I.

Endocrine allergy in women during the climacteric. Ped., akush.
i gin. 22 no.6:40-43 '60. (MIRA 14:10)

1. Institut gerontologii i eksperimental'noi patologii AMN SSSR,
spetsializovaniy kabinet po borot'bi s patolotiyeyu klimaksu
likerni Stalins'kogo rayonu m. Kiyeva.
(CLIMACTERIC) (ALLERGY) (HORMONES, SEX)

BEKKER, V.I.

Androgenous and glycocorticoid function of the adrenal cortex
in the process of aging. Vop. geron. i geriat. 4:221-224 '65.
(MIRA 18:5)

1. Institut gerontologii AMN SSSR, Kiyev.

BEKKER, V. K.

Bekker, V. K. - "Isolated firearm injuries to the alveolar excrescences of the jaws",
Trudy Medinstituta (Izhev. gos.med. in-t), Vol. VI, 1948, p. 23-28.

SO: U-L110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BEKKER, V. K. "A steel bar for the extra-oral elongation of maxillary fragments held in place by a gauze bandage," Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VII, 1949, p. 280-82

SO: U-3850, 16 June 53, (Letopsis 'Zhurnal 'nykh Statey, No. 5, 1949)

BEKKER, V. K.

Bekker, V. K. "Two cases of osteomyelitis of the maxilla after typhoid fever,"
Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VII, 1949, p. 290-93

SO: U-3850, 16 June 53, (Letopsis 'Zhurnal 'nykh Statey, No. 5, 1949)

BEKKER, V.K., assistant

Nonpenetrating wounds of the tongue. Trudy Izhev.gos.med.inst. 13:
192-198 '51. (MIRA 13:2)

1. Iz gospi'tal'noy khirurgicheskoy kliniki Izhevskogo meditsinskogo
instituta. Zaveduyushchiy - prof. S.Ya. Strelkov.
(TONGUE--WOUNDS AND INJURIES)

BEIKER, V.K.

Falling of hair along the thrombotic veins following septic thrombosis
of the cavernous sinus. Stomatologia no.6:37-39 '53. (MIRA 7:1)

1. Is gosital'noy khirurgicheskoy kliniki Izhevskogo meditsinskogo
instituta (svednyushchiy - sasluzhennyy deyatel' nauki professor
S.Ya.Strelkov).

(Thrombosis) (Hair--Abnormalities)

BEKKER, V.K., kand.med.nauk (Izhevsk)

Autocytovivocela for stopping hemorrhages following tooth extraction.
Stomatologiya 36 no.1:70-71 Ja-F '57. (MIRA 11:1)

1. Iz gosital'noy khirurgicheskoy kliniki Izhevskogo meditsin-
skogo instituta (dir. - prof. S.Ya.Strelkov [deceased]).
(~~TEETH~~-EXTRACTION) (HEMORRHAGE)

L 00678-66 EED-2/ENT(1)

ACCESSION NR: AP5012572

UR/0181/65/007/005/1545/1547

AUTHOR: Bekker, Ya. M. 44.55

TITLE: Some features of thermal resistance of ferrites 21.44.55

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1545-1547

TOPIC TAGS: ferrite, specific heat, thermal resistance, crystal structure, magnetic structure, thermal conductivity

ABSTRACT: The mechanism of energy transport in ferrites was investigated in order to disclose the features of their crystal-chemical and magnetic structures. The samples for the measurements were prepared in accordance with the usual technology. The thermal conductivity was measured by the method of A. V. and A. F. Ioffe (ZhTF v. 28, 23 and 57, 1958) and recalculated to zero porosity. The temperature variation of the thermal conductivity was investigated with an alambdacalorimeter (Ye. S. Platunov and V. V. Kurepin, Izv. Vuzov Priborostroyeniye, no. 4, 119, 1961). The measured thermal conductivity corresponded to the lattice component of the thermal conductivity. Typical results are shown in Fig. 1 of the Enclosure. The differences between the substances are attributed to differences in the phonon scattering cross sections. The mean free path of the phonons was calculated using the standard model of the phonon gas. The characteristic breaks observed on the tempera-

Card 1/3

L 00678-66

ACCESSION NR: AP5012572

ture plots of the thermal resistance of nickel-magnesium ferrites are due to anomalies in specific heats at the transition points. It is thus concluded that the anomalies in the temperature dependence of the specific heat of the ferrites in the region of the Neel temperature give rise to corresponding anomalies in the thermal conductivity, and the observed effect increases with the resultant magnetic moment per unit cell. The difference in the slopes of the curves above and below the Neel point shows the magnetic spin system participates in the energy transport process. Orig. art. has: 2 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 24Sep64

NR REF SOV: 007

ENCL: 01

OTHER: 003

SUB CODE: SS, TD

Cord 2/3

L 00678-66

ACCESSION NR: AP5012572

ENCLOSURE: 01

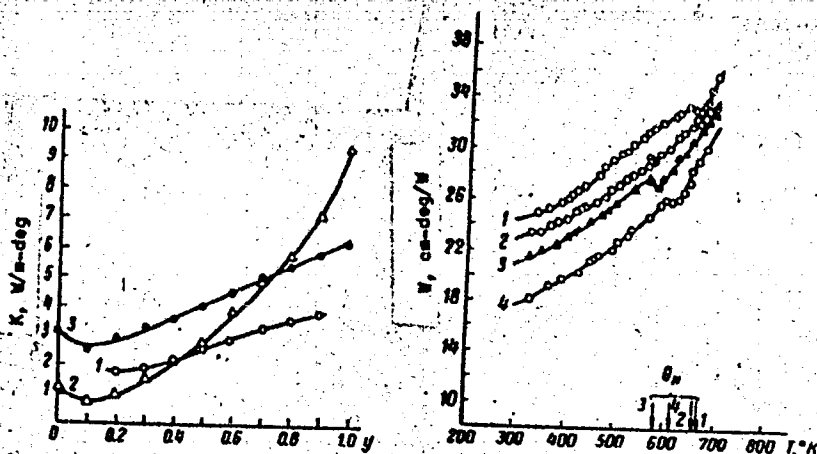


Fig. 1. Concentration dependence of thermal conductivity (left) and temperature variation of thermoresistance (right) of certain ferrite solid solutions

Card 3/3

24.7900

AUTHOR:

Bekker, Ya. M.

TITLE:

The Effect of Uniaxially Compressing Mechanical Loads on the
Magnetization of Some Ferrites *q*

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 8, pp. 1708-1713

TEXT: For the application of ferrites as transmitters of pressure or as ultrasonic transformers, a knowledge of the pressure dependence of their magnetization is required. If the magnetization curves of ferromagnetics, obtained with and without load, are compared, a point of intersection (so-called Villari point) is observed. The cases where no such points occur and where, therefore, the magnetization vector under load is either always greater or always smaller than when without load, have been previously studied by N. S. Akulov and Ye. N. Kondorskiy. There it was assumed that in the former case the domains are oriented along the smaller axis, and in the latter case along the greater axis of the ellipsoid. The author of the present paper investigated the magnetoelastic

Card 1/3

82985

The Effect of Uniaxially Compressing
Mechanical Loads on the Magnetization of
Some Ferrites

S/181/60/002/008/004/045
B006/B070

effect on five samples of mixed nickel-magnesium ferrites (composition on Table on page 1709), which were prepared by sintering in solid phase. The results of measurement are shown diagrammatically. Fig. 2 shows the field dependence of the induction $B(H)$ for sample No. 4 (20Mol% NiOFe_2O_3 + 80Mol% MgOFe_2O_3). The curve taken for uniaxial loading of the sample ($\sigma = 3.2 \text{ kg/mm}^2$) is at first flatter, then steeper and again flatter than for an unloaded sample. The Villari point is in the region of small fields. Fig. 3 shows $B(\sigma)$ for different H values. It is seen that for small fields B decreases with increasing σ , while for large fields it increases with increasing σ . Fig. 4 shows $\Delta B/B = f(B)$ for a sample with component ratio 50:50; Fig. 5 shows H_V and B_V as functions of σ ; Fig. 6 shows H_V and B_V as functions of the composition of the sample. The investigations showed that these ferrites have a peculiar behavior: To each value of the mechanical load σ corresponds a definite value of the polarizing magnetic field for which the Villari effect changes its sign. The Villari effect can be explained in the following manner: Under a mechanical load, there occurs an anisotropic distortion of crystal

Card 2/3

82985

The Effect of Uniaxially Compressing
Mechanical Loads on the Magnetization of
Some Ferrites

S/181/60/002/008/004/045
B006/B070

lattice which leads to a new distribution of the axes of easy magnetization, and thus to a new stable domain orientation. The author thanks G. A. Smolenskiy for his interest. There are 6 figures and 12 references: 10 Soviet and 2 German. ✓

ASSOCIATION: Leningradskiy khimiko-farmatsevticheskiy institut
(Leningrad Chemicopharmaceutical Institute)

SUBMITTED: February 24, 1960 (after revision)

Card 3/3

BEKKER, Ya.M.

Apparatus for the determination of the viscosity of elastic
materials. Trudy Len. khim.-farm. inst. no.14:239-241 '62
(MIRA 17:2)
Bridge method of determining the coefficient of heat con-
ductivity. Ibid.:242-244

BEKKER, Ya.M.

Some characteristics of the heat resistance of ferrites. Fiz. tver. tela
7 no.5:1545-1547 My '65. (MIRA 18:5)

L 16419-66 EWT(d)/EPF(n)-2/ENP(1)

IJP(c) BE/GO

ACC NR: AP6006387

SOURCE CODE: UR/0413/66/000/002/0118/0118

INVENTOR: Staros, F. G.; Berg, I. V.; Kraynin, S. I.; Lashevskiy, R. A.;
Maksimov, M. N.; Tamarchenko, N. G. Shenderovich, Yu. I.; Yevstegneyev, M. I.; 41
Bekker, Ya. M. 8

ORG: none

TITLE: Storage device. Class 42, No. 178178

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 118

TOPIC TAGS: storage device, computer circuit, microelectronic device

ABSTRACT: The proposed storage device (see Fig. 1) utilizes multiple-aperture ferrite plates and contains number plates and a decoder plate. To facilitate manufacture and microminiaturization of the device, the number conductor, which is printed on the number plate, is connected to a conductor passing through the

Card 1/2

UDC: 681.142

2

L 16419-66

ACC NR: AP6006387

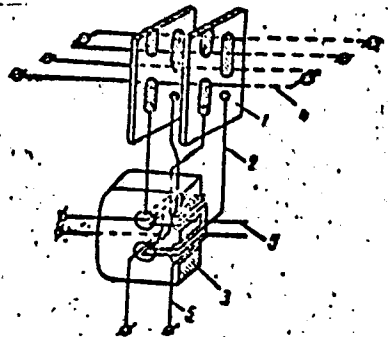


Fig. 1. Storage device

1 - Number plate; 2 - output winding; 3 - decoder plate; 4 - digit winding; 5 - decoder crossbar winding.

two apertures of the decoder; the number plates together with the decoder plate are mounted in a holder which is filled with a thermosetting compound. Orig. art. has: 1 figure. [DW]

SUB CODE: 09/ SUBM DATE: 25Jan65/ ATD PRESS: 4205

Card 2/2 SM

BEKKER, Ya.Sh.; SHUGAYEV, A.P.

Automatic thread-rolling machine. Biul.tekh.-ekon.inform.Gos.nauch.-
issl.inst.nauch.i tekh.inform. 17 no.7:37-38 J1 '64.

(MIRA 17:10)

BEKKER, Yu. B.

New data on the sequence of stratification and lithological characteristics of Min'yar and Uk sediments in the southern Urals. Mat. po.geol. i pol. iskop. IUzh. Urala no.2:31-39 '69. (MIRA 14:3)
(Ural Mountains--Geology, Stratigraphic)

3(0)

AUTHOR:

Bekker, Yu. R.

SOV/20-122-5-36/56

TITLE:

The Stratigraphic Position of the Uksk Beds in the South Urals
(O stratigraficheskom polozhenii ukskikh otlozheniy na
Yuzhnom Urale)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 5, pp 879-882
(USSR)

ABSTRACT:

Within the Kara-Tauskaya series of the South Urals, the following suites are usually distinguished: Zil'merdakskaya, Katavskaya, Pod'inzerskaya, Inzerskaya, and Min'yarskaya. Recently a new unit, designated as the Uksk suite, has been established in this series. A review of the literature is given (Refs 1-3). The investigations of the author in the drainage area of the Sim River have established a widespread regional distribution of the Uksk sediments in many stratigraphic sections of old massifs located in the northern parts of the South Urals. The Uksk sediments occur between overlying Devonian beds, containing a characteristic fauna, and underlying rocks of the Min'yarskaya suite. The latter is believed by some authors to be of Cambrian age, by others Proterozoic

Card 1/4

SOV/20-122-5-36/56

The Stratigraphic Position of the Uksk Beds in the South Urals

(Ref 1). In most sections two horizons can be distinguished; the contact between the horizons is gradational. They are described individually. An analysis, comparing the lithologic characteristics of the Uksk, Min'yarskie, and Ashinskiye sediments, shows that the composition and organic remains of the Uksk sediments exhibit several traits in common with those of the Min'yarskiye rocks. In contrast, the formations of the Ashinskaya suite are rather sharply distinct. In this connection, the supposed contemporaneity of the Ashinskiye and Uksk sediments must be proved by a detailed stratigraphic analysis. For this purpose, the author quotes a generalized description of an outcrop on the Yurezan' River at the Ust' - Katav settlement. The minerals were identified by the mineralogical laboratory of the VSYeGYel Central Expedition. The data cited appears to refute the supposition that the Ashinskiye and Uksk deposits are contemporaneous. The author wants to retain the name Uksk suite, however, he would like to interpret its stratigraphic position differently, namely, as an independent horizon of the Kara-Tauskaya series of the South Urals. A new sedimentary cycle begins with the Uksk suite, represented by lit-

Card 2/4

SOV/20-122-5-36/56

The Stratigraphic Position of the Uksk Beds in the South Urals

toral, terrigenous and marine carbonate sediments. The previously unanswered question of the age of the dolomites underlying the Devonian sediments is decided by the author; they belong to the upper horizon of the Uksk suite. The age question of the Uksk sediments is complicated and can be scarcely answered on the basis of the present level of knowledge. Certainly this question is illuminated in a new way by the new data. In any case, the Uksk suite is much older than its discoverer (Ref 1) believed. I. N. Solomina identified a spore fauna from the author's collection; this fauna is characteristic of the Sinium sediments. However, this determination is only tentative, since the spores could be re-formed, and the age of the Uksk suite could be Lower Cambrian. There are 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut
(All-Union Scientific Geological Research Institute)

PRESENTED: May 31, 1968, by N. S. Shatskiy, Academician
Card 3/4

BEKKER, Yu.R.

Devonian continental dolomites of the Bashkirian
anticlinorium. Dokl. AN SSSR 147 no.2:427-430 N '62.
(MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii
institut. Predstavleno akademikom N.M. Strakhovym.
(Bashkiria—Dolomite)

BEKKER, Yu.R.

Takata series in the middle Chusovaya River. Mat.VSEGEI.Ob.ser.
no.28:87-99 '60. (MIRA 14:6)
(Chusovaya Valley—Geology, Stratigraphic)

BEKKER, Yu.R.

Recent data on the stratigraphy of the Devonian sediments of the Southern Urals. Sov.geol. 4 no.5:146-149 My '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.
(Ural Mountains--Geology, Stratigraphic)

BEKKER, Yu.R.

Terrigenous-mineralogical provinces of Chusovaya deposits
in the Devonian of the Southern Urals. Dokl.AN SSSR 133
no.6:1391-1394 Ag '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy
institut. Predstavleno akad. N.M.Strakhovym.
(Ural Mountains--Petrology)

BEKKER, Yu.R.

Age and stratification sequence of sediments in the upper
Karatau series of the Southern Urals. Izv. AN SSSR. Ser.geol.
26 no.9:49-60 S '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii
institut (VSEGEI) Ministerstva geologii i okhrany neдр SSSR,
Leningrad.

(Ural mountains—Geology, Stratigraphic)

102. BEKKER, Z.E.

"The Effect of Carbon Dioxide on the Microflora of Wheat Grain,"
Mikrobiologiya, Vol. 2, no. 4, 1933, pp. 360-368. 448.3 M582

So: SIRA S1.90-53, 15 Dec. 1953

PROCESSING AND PROPERTIES INDEX									
ca Wood preservation. N. N. Mel'nikov, Z. B. Bekker, and M. S. Rokitskaya. Russ. 59,034, Feb. 28, 1941. Wood is impregnated with soles, or emulsions of alkyl-hydroxybiphenyls or alkylchlorohydroxybiphenyls. 20									
ASAC-11A METALLURGICAL LITERATURE CLASSIFICATION									
FROM DIVISION									
TO DIVISION									
DATE									

BEKKER Z. E.

PA 17T45

USSR/Medicine - Disinfection and Disinfectants Jul 1947
Medicine - Oxydiphenyl

"Oxydiphenyl as a Disinfectant," Z. E. Bekker,
Bacteriological Laboratory of the Central
Scientific Research Disinfection Institute of the
Ministry of Public Health, USSR, 4 pp

"Gigiyena i Sanitariya" Vol XII, No 7

Brief discussion of the bacteria destroying
properties and phenol coefficient of ortho-
xydiphenyl, the test of oxydiphenyl as a disin-
fectant, analysis of oxydiphenyl paste in
quarantine, likely places and condition for

practical application of oxydiphenyl paste for
disinfection.

17T45

USAR/Biology, Medicine - Antibiotics Jan/Feb 52

"Concerning the Method of Selecting Fungi Under Production Conditions," Z. E. Bekker

"Mikrobiologiya" Vol XII, No 1, pp 87 - 91

Discusses V. I. Kudryavtsev's method of uninterrupted selection of microorganisms under production conditions (cf. Kudryavtsev, "Mikrobiologiya" Vol IX, No 1, 1951, pp 155 - 166) as applied to penicillium fungi. Points out that while Kudryavtsev's method may work with yeasts, as described by him, because yeasts long since have been removed from their natural habitat, it frequently fails with penicillium fungi, although doubling and tripling of penicillin yield have been achieved in the case of penicillium chrysogenum. Suggests that the phases ("stages") of development be

22372

considered in changing the characteristics of P. fungi 1.e., that the micellium stage be cultivated in the medium natural for the mold, while the more advanced stage during which synthesis of penicillin mainly takes place be grown in a production medium.

22372

BEKKER, Z. E.

BEKKER, Z.

75th Anniversary of birth and 50th Anniversary of scientific-
pedagogic activities of L. I. Kursanov. Mikrobiologiya, Moskva
21 no. 2:255-256 Mar-Apr 1952.
(GLML 22:3)

1. Professor Kursanov has title of Honored Worker in Science and
is Head of the Department of Lower Plants at Moscow University.

BEKKER, Z. E., Doc Biol Sci -- (diss) "Aging ^{Symptoms in} ~~Phenomena~~ of *Penicillium*
chrysogenum Thom". Mos, 1956. 22 pp with illustrations, 21 cm.

(Mos Order of Lenin and Order of Labor Red Banner State Univ im ^{M.V.}
Lomonosov). 100 copies (KL, 10-57, 103)

-4-

USSR/Microbiology - General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9777

Author : ~~Bekker, Z.E.~~ Ostroukhov, A.A., Smirnova, A.D., Kosheleva, N.A., Fadeeva, N.P.

Inst : -

Title : Growth Manifestations in Submerged Cultures of *Penicillium Chrysogenum* Thom.

Orig Pub : Antibiotiki, 1956, 1, No 3, 40-47

Abstract : Mycelial cells of *P. chrysogenum* Q 176 in a submerged culture on a Stoun and Farrel medium in a 1000 liter apparatus with mixing at 200 rpm and aeration of 1 volume of air per volume of medium per minute, undergo very characteristic transformation during cultivation, which may be provisionally represented in the form of 6 growth phases. The I phase: germination of conidia (begins in 13-24 hours from the time conidia are inoculated in the nutrient medium). Conidia swell and form one or several growth tubes.

Card 1/4

USSR/Microbiology - General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9777

II. phase: Expansion of hyphae (begin- in 36-48 hours from the time of conidia inoculation in the nutrient medium). Still no activity is manifested in the culture liquid.

III phase: Accumulation of reserve substances (observed after 48-56 hours from the time of conidia inoculation or after 24-36 hours from the time of mycelium transplantation from the inoculating apparatus to the fermentation apparatus). Large numbers of fatty inclusions appear. Activity of the culture liquid is very low.

IV phase: Disappearance of fatty substances and the beginning of vacuolization (observed after 36-48 hours from the time of transplanting inoculated mycelium into the fermentation apparatus). Activity of the culture liquid is notably increased.

V Phase: Formation of large central vacuoles (observed in 48-72 hours from the time of transplanting the inoculated

Card 2/4

USSR/Microbiology - General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9777

The second stage-- from IV to VI growth phases-- is characteristic of reduction and a prevalence of dissimilation of reserve substances. The second stage of development is chiefly connected with the process of penicillin formation. Results of observations on development of penicillin production in a submerged culture are used for microscopic control of fermentation in production.

Card 4/4

BEKKER, Z.E.; SMIRNOVA, A.D.; MIKHAYENKOV, P.S.

Microscopic control of penicillin fermentation using various producing strains. Antibiotiki 2 no.1:29-33 Ja-F '57. (MIRA 12:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(PENICILLIN, metab.
fermentation with various producing strains,
microscopic exam.)

BEKKER, Z.N.; SILAYEV, A.B.; MAKSIMOVA, R.A.; SEMENOV, M.N.; SMIRNOVA, A.D.;
HOSHKOVSKIY, Sh.D.; NOSINA, V.D.; VEYS, R.A.; BEREZINA, Ye.K.

Fumagillin produced from an organism isolated in the U.S.S.R.
Antibiotiki 2 no.6:14-16 N-D '57. (MIRA 11:2)

1. Laboratoriya antibiotikov biolog-pochvennogo fakul'teta Moskovskogo
ordena Lenina gosudarstvennogo universiteta imeni M.V.Lomonosova,
Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Nauchno-
issledovatel'skiy institut malyarii, meditsinskoy parazitologii i
gel'mintologii.

(ASPERGILLUS,

fumigatus, prod. of fumagillin (Rus))

(ANTIBIOTICS, preparation of,

fumagillin, from Aspergillus fumigatus (Rus))

HEKLER, Z.B., BEREZINA, Ye.K. VEYS, R.A., MILOVANOV, S.H., OSTROUKHOV, A.A.
RODIONOVSKAYA, E.I., TRAKHTENBERG, D.M., KHOZHLOV, A.S., CHAYKOVSKAYA, S.M.

Velutinin, an antibiotic from the mold fungus *Aspergillus velutinus*.
[with summary in English]. Antibiotiki 3 no.4:104-105 JI-Ag '58
(MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS)

BEKKER, Z.E., MAKSIMOVA, R.A.

Morphological variability and antibiotic properties of strains of *Penicillium chrysogenum* Thom. and *Penicillium notatum* West., isolated in various areas of the USSR [with summary in English] *Mikrobiologiya* 27 no.2:157-163 Mr-Apr '58 (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet, biologo-pochvennyy fakul'tet.

(*PENICILLIUM*,

chrysogenum & *notatum*, morphol. & antibiotic properties (Rus))

BEKNER, Z.E. , LISINA, Ye.S.

Symbiotrophic plants and their rhizosphere microflora [with summary
in English]. Biol.MOIP. otd.biol.63 no.6:87-94 N-D '58 (MIRA 12:1)
(RHIZOSPHERE MICROBIOLOGY)

~~ΒΕΚΚΕΡ, Ζ.Ε~~

207/50-59-1-50/57
Affrikas, B. K. K. Kueyova, A. S.; Candidates of Biological Sciences

Use of Antibiotics in Plant Cultivation (Primeneniye anti-
biotikov v rasteniyevodstve).

1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749

[illegible]

The Government speaks about disease resistance through the development of higher plants.

Dr. K. Ziegler reported on investigations on soil fungus carried out by Ukrainian mycologists on agricultural flora and its utilization in the fight against agricultural plant diseases.

Dr. A. P. Zhukovskiy, N. Kostomarov dealt with the utilization of *Fusarium triseptatum* in fighting the diseases of cotton bushes, *Fusarium triseptatum* breeds.

potatoes and some other agricultural products.
N. O. Kirabekyan's report dealt with the exertions of
the produce office against the epidemic disease in raisins.

S. Oryzohara, Y.-J., examines spore about the utilization of carriers of potato wart disease and diploidia in maize.

The cultivated antibiotic is reported to increase bacteria in cabbage.

U. S. Government
College of Agriculture to prevent wilt of the cotton plant
L. A. Fickler, L. A. Fickler, L. A. Fickler, L. A. Fickler
L. A. Fickler, L. A. Fickler, L. A. Fickler, L. A. Fickler
L. A. Fickler, L. A. Fickler, L. A. Fickler, L. A. Fickler

space about the mechanical instruments and prints will
contain a disease of vegetable matters and plants will.
Mrs. P. Janyahombaka - 60 - Thiruvartur.

with the utilization of cryptic microflora in signaling system
fungus diaspores in plants
D. V. Grakhs, 1972, Izv. Tadzhikskoye Yez. Tadzhikskoye Yez.

B. P. STRATTON, sentenced results obtained in investigations
T. O. KROENIG, sentenced results obtained in investigation in fighting
 of phytoactinomyces on soil as its utilization in fighting
 of phytoactinomyces in cotton bushes and beans.

diseases occurring in cotton bushes and some
 B. V. Gubchikov. In P. Trilchko, A. G. Kabanov, Z. A.
 G. V. Gubchikov. In the effect of antibiotic preparations on
 the growth of cotton bushes in fighting diseases.

tested slings against bacterial cankers in fighting diseases.

Mr. Tolson, Mr. E. A. Tamm, Mr. Clegg, Mr. Glavin, Mr. Ladd, Mr. Nichols, Mr. Rosen, Mr. Tracy, Mr. Carson, Mr. Egan, Mr. Gurnea, Mr. Hendon, Mr. Pennington, Mr. Quinn, Mr. Nease, Mr. Gandy.

preparations "griseofulvin" and "trichostatin" and itself as
 food in fungus culture of disease in cabbage, wheat and
 other plants.

water volume.
A. A. Zakharenko reported on results achieved in the synthesis of antibiotics against impaired cold viruses.

L. P. Zarullskiy, N. D. Buzynova, M. D. Kalikryskaya deal with the formation of phytopathogenic forms of bacteria resistant to antibiotics.

Dr. A. Vinogradov, E. S. Arts described a method of rapid termination of the effect of antibiotics on plants. The

participants in the conference found the work carried out in this field in the USSR fascinating. The organization of scientific, industrial production of antibiotics and microbe preparations

industrial production or construction and for the purpose of their large-scale practical introduction for agriculture was pointed out as necessary. The necessity of intensification of forest investigation of the growth of plant communities was also stressed.

Intensification of joint investigations of the growth stimulus and the development of plants of microbial origin was further pointed out. The importance of coordination of work for plants was pointed out.

positive only and the stimulation of antibodies in plant breeding of research and utilization as well as the holding of periodical conferences emphasized not only the holding of periodical conferences but also the dealing with this problem.

dealing with this problem.

7

100

Case 2/2

1/2

SUPHUN, T.P.; BEKKER, Z.E.

On a method for determining antibiotic-producing fungi in soil.
Antibiotiki 4 no.4:37-43 J1-Ag '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(SOIL microbiol)
(FUNGI)

MAKSIMOVA, R.A.; BEKKER, Z.E.; SMIRNOVA, A.D.

The fumagillin producer and problems in fermentation. Antibiotiki
4 no.5:14-19 S-O '59. (MIRA 13:2)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskov-
skogo gosudarstvennogo universiteta i Vsesoyuznyy nauchno-issledo-
vatel'skiy institut antibiotikov.

(ASPERGILLIUS)

(AMOEBOIDES)

BEKKER, Z.E.; PLATONOVA, M.V.; SUPRUN, T.P.

Antagonistic fungi and soil formation. Izv. AN SSSR, Ser. Biol.
no. 5: 765-772 S-O '59. (MIRA 13:2)

1. The Faculty of Biology and Soil Sciences, the State University, Moscow.
(Soil micro-organisms) (Bacterial antagonism)
(Soil formation)

BEKKER, Z.E.; RUBINSHTEYN, Yu.I.; LISINA, Ye.S.; KUDINOVA, G.P.

Distribution and properties of Eusarium strains from the sporotrichiella section and their antagonists isolated in the areas of endemic Urov disease. Vop. pit. 13 no. 6:47-53 N-D '59. (MIRA 14:2)

1. Iz laboratorii antibiotikov Biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta i otdela pishchevoy Instituta pitaniya AMN SSSR. (ARTHRITIS) (SOILS—MICROBIOLOGY)

BEKKER, Z.B.

Soil humus and fungi as producers of antibiotics [with summary in English]. Izv. AN SSSR Ser.biol 24 no.1:131-138 Ja-F '59.

(MIRA 12:2)

1. The Biological-Soil Faculty of the Moscow State University, Moscow.

(SOIL MICRO-ORGANISMS)

(HUMUS)

(ANTIBIOTICS)

BEKKER, Z.E.; RODIONOVA, Ye.G.; YEGOROVA, Ye.I.; SINITSINA, Z.T.; GINZBURG,
G.N.

Producer and biological properties of, and fermentation experiments
on preparation No. 125. Trudy Vses. inst. sel'khoz. mikrobiol. 17:
147-152 '60. (MIRA 15:3)

(Antibiotics)

BEKKER, Z.E.; MAKSIMOVA, R.A.

Modification of a method used in plant growth applicable to the study of the development antibiotic-producing fungi. Antibiotiki 5 no.2:27-30 Mr-Apr '60. (MIRA 14:5)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(ANTIBIOTICS) (FUNGI)

RODIONOVA, Ye.G.; BEKKER, Z.E.; LUPACH, Ye.I.

Producing strains, antifungal activity, control methods, and
deep fermentation of trichotecin. Antibiotiki 5 no. 5:25-29
S-0 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS)

BEKKER, Z.B.; SUPRUN, T.P.

— Studying the fungi of forest soils in Amur Province. Bot.shur.
45 no.3:404-410 Mr '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva i Amurskaya ekspeditsiya. Soveta po izucheniyu proizvodi-
tel'nykh sil AN SSSR.

(AMUR PROVINCE—SOIL MICRO-ORGANISMS)

(FOREST SOILS) (FUNGI)

BEKKER, Z.E.; YANGULOVA, I.V.

Some factors affecting the distribution of fungi in the plant
rhizosphere. Biul. MOIP. Otd. biol. 65 no. 4:60-65 Jl-Ag '60.
(MIRA 13:10)

(RHIZOSPHERE MICROBIOLOGY)

BEKKER, Z.E.; SUPRUN, T.P.; RODIONOVA, Ye.G.; YAGULOVA, I.V.

Cytotoxic properties of extracts from fungal mycelia. Antibiotiki
6 no.2:108-111 F '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(FUNGI) (CYTOTOXIC DRUGS)

BEKKER, Z.E.; RODIONOVA, Ye.G.; YANGULOVA, I.V.; PETROVA, M.A.; KOROLEVA, V.G.;
MAYEVSKIY, M.M.; ROMANENKO, Ye.A.; URAZOVA, A.P.; BONDAREVA, A.S.;
MAZAYEVA, V.G.; TIMOSHECHKINA, M.Ye.; MOL'KOV, Yu.N.

Tumor-inhibiting properties of mycelial extracts from some fungi.
Antibiotiki 6 no.6:488-492 Je '61. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(TUMORS) (FUNGI PHYSIOLOGICAL EFFECT)

BEKKER, Z.E.; SUPRUN, T.P.; AVRAAMOVA, O.P.; YANGULOVA, I.V.

Antagonistic fungi in soils of the plant communities of Central Asian plains. Bot. zhur. 46 no. 5:651-661 My '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

(Soviet Central Asia—Soil micro-organisms)

BEKKER, Z.E.; SUPRUN, T.P.; YANGULOVA, I.V.; AVRAAMOVA, O.P.;
RODIONOVA, Ye.G.

Studies on antagonistic fungi inhabiting the soils of alpine
plant formations of Central Asia. Bot. zhur. 46 no.11:1627-1637
N '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

(Soviet Central Asia--Soil micro-organisms)

DMITRIYEVA, S.V.; BEKKER, Z.E.

Some data on the nature of volutin granules in *Penicillium chrysogenum*. Tsitologiya 4 no.6:691-695 N-D'62 (MIRA 17:3)

1. Laboratoriya novykh antibiotikov gribnogo proiskhozhdeniya Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov, Moskva.

BEKKER, Zinaida Ernestovna; KOROBTSOVA, N.A., red.; GEORGIYEVA, G.I.,
tekhn. red.

[Physiology of fungi and their practical use] Fiziologiya gri-
bov i ikh prakticheskoe ispol'zovanie. Moskva, Izd-vo Mosk.
univ., 1963. 267 p. (MIRA 16:4)
(Fungi—Physiology)

SUPRUN, T.P.; AVRAAMOVA, O.P.; BEKKER, Z.E.

Distribution of antibiotic-producing soil fungi in Central Asia
as related to the altitude of the place. *Biul. MOIP. Otd. biol.*
68 no.4:84-92 J1-Ag '63. (MIRA 16:10)

BEKKER, Z.E.; LISINA, Ye.S.; POLTORAK, V.A.; SILAYEV, A.B.

Iantinellin, an antibiotic with antifungal properties produced
from *Penicillium janthinellum* Biourge. Antibiotiki 8 no.3:
207-212 Mr'63 (MIRA 17:4)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta imeni Lomonosova.

BEKKER, Э E.; SUPRUN, T. P.; DMITRIYEVA, S. V.; NESTERENKO, Ye. Y.

"Morphogenesis and metabolism of fungi with special attention to the nucleic acids and their antimetabolites."

report submitted to 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

All-Union Sci Inst for Antibiotics, Moscow State Univ.

BEKKER, Z. E.; DMITRIYEVA, S. V.

"Development of fungal Mycelia in submerged culture and the theoretical and practical significance of these researches."

REport submitted for 10th Intl Botanical Cong, Edinburg, Scotland, 2-14 Aug 64.

All-Union Sci Inst for Antibiotics.

LISINA, Ye.S.; BEKKER, Z.E.

Mycoflora of the rhizosphere of symbiotrophic cultivated plants.
Bot. zhurn. 49 no.7:1048-1051 J1 '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet.

BEKINA, A.E.; SUPRUN, T.P.; LEBED', E.S.

Cytotoxic substances from fungi of various ecological groups.
Antibiotiki 9 no.1:29-32 Ja '64. (MIRA 18:3)

I. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Mcskva.

LISINA, Ye.S.; BEKKER, Z.E.

Comparative antibiotic spectrum of grieseofulvin and janthiwellin in regard to some bacteria, actinomycetes and fungi. Antibiot. 19 no.12: 1043-1048 D '64. (MIRA 18:7)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskovskogo universiteta.

BEKKER, Z.E.; DANEBEKOV, A.Ye.

Distribution of fungi antagonists in soils of the Trans-Ili
Alatau and some diseases of agricultural plants. Trudy Inst.
mikrobiol. i virus. AN Kazakh. SSR. 8:6-22 '65.
(MIRA 18:11)

BEKKER, Z.E.; DMITRIYEVA, S.V.; BORISOVA, T.G.; TURKOVA, Z.A.; LISTINA, Ye.S.;
CHAPLINA, L.B.

Characteristics of the development of molds producing various
antibiotic and antiblastic substances. Mikrobiologiya 34 no.4:653-
660 J1-Ag '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov;
Eksperimental'naya laboratoriya zavoda imeni Karpova; Biologo-
pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta
imeni M.V.Lomonosova.

BEKKER, Z.E.

Some aspects of the development of M.S. Voronin and A.A. Iachevskii's scientific heritage in the fields of fungal physiology. Trudy VIZR no.23:184-200 '64. (MIRA 19:2)

BEKKER-MIGDISOVA, Ye.E.; VUTTON, R.D.

New and rare Palaeontinidea of Asia. Paleont. zhur. no.2:63-79
'65. (MIRA 18:6)

1. Paleontologicheskii institut AN SSSR.

LEWIS, J. D. A. Ye. Ye.

Mr., Institute of Paleontology, Acad. Sci., -1946-.

"Cicadoprobole Segutensis n. n., sp. n. - A Transitional Form between the Permian Prosbolidae and the Recent Cicadidae," Dok. Ak. 55, no. 5, 1947.

PA 67107

BEKKER-MIGDISOVA, Ye. E.

USSR/Medicine - Morphology
Medicine - Taxonomy

Jan/Feb 1948

"Outline of the Comparative Morphology of Contemporary and Permian Nemoptera, Part II," Ye. E. Bekker-Migdisova, Paleontol Inst, Acad Sci USSR, 20 pp

"Iz Ak Nauk SSSR, Ser Biolog" No 1

Takes up the question of comparative morphology of the Permian and some contemporary nemoptera. Author particularly describes the characteristics of the Sternorrhyncha series and the Palaeorrhyncha Carp series. Briefly describes distribution of the nemoptera fauna in the Permian layers. Submitted by Academician I. I. Shmal'gauzen 3 Mar 1946.

6787

21538

BEKKER--MIGDISOVA, Ye. E.

Novoye permskoye semeystvo Boreoscytidae i vopros o filogenii
predkov Homoptera.

Trudy Paleontol. in - ta, (Akad. nauk SSSR), t. XX, 1949, s. 171 - 82.

Bibliogr: s. 182

SO: Ietopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

CTRSPL Vol. 5-No. 1 Jan. 1952

Bekker-Medvedeva, E.E. and Martynova, O.M. (Institute of Paleontology, U.S.S.R. Academy of Sciences), The location of miocene insects in central Tyan'-Shan' and a description of a new type of cicada, 761-3

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 4, 1951

OTRSPL Vol. 5-No. 1 Jan. 1952

Doklady Akad. Nauk S.S.S.R. (Institute of Paleontology, U.S.S.R. Academy of Sciences), Unusual
new fossil insects, *Chinacera tarapteroides* B.M. sp. nov., 1207-10

Akademiya Nauk, S.S.S R., Doklady

Vol. 78, No. 4, 1951

1. BEKKER-MIDGDISOVA, Ye. Ye.
2. USSR (600)
4. Homoptera—Kuznetsk Basin
7. New Hemoptera from the Permian of the Kuznetsk Basin and some remarks about Ipsviciidae. Trudy Paleont inst. no. 40 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BEIKER-BELDISOVA, Y. YE.

"Survey of the Fauna of the Isoptera and the Coleoptera of the Yermakovskiy and Donets Layers of the Kuzbass," Y. YE. Belker-Beldisova

DAN SSSR, vol. 98, no. 1, pp 97-100, 1 May 53

Discussion of the fauna found in the Yermakovskiy layers from the collection made during 1949 at Sokolov village and from the Kuznets layer collection of 1949, 1950, and 1951. Presented by Acad. YE.N. Pavlovskiy, 5 Mar 1953.